

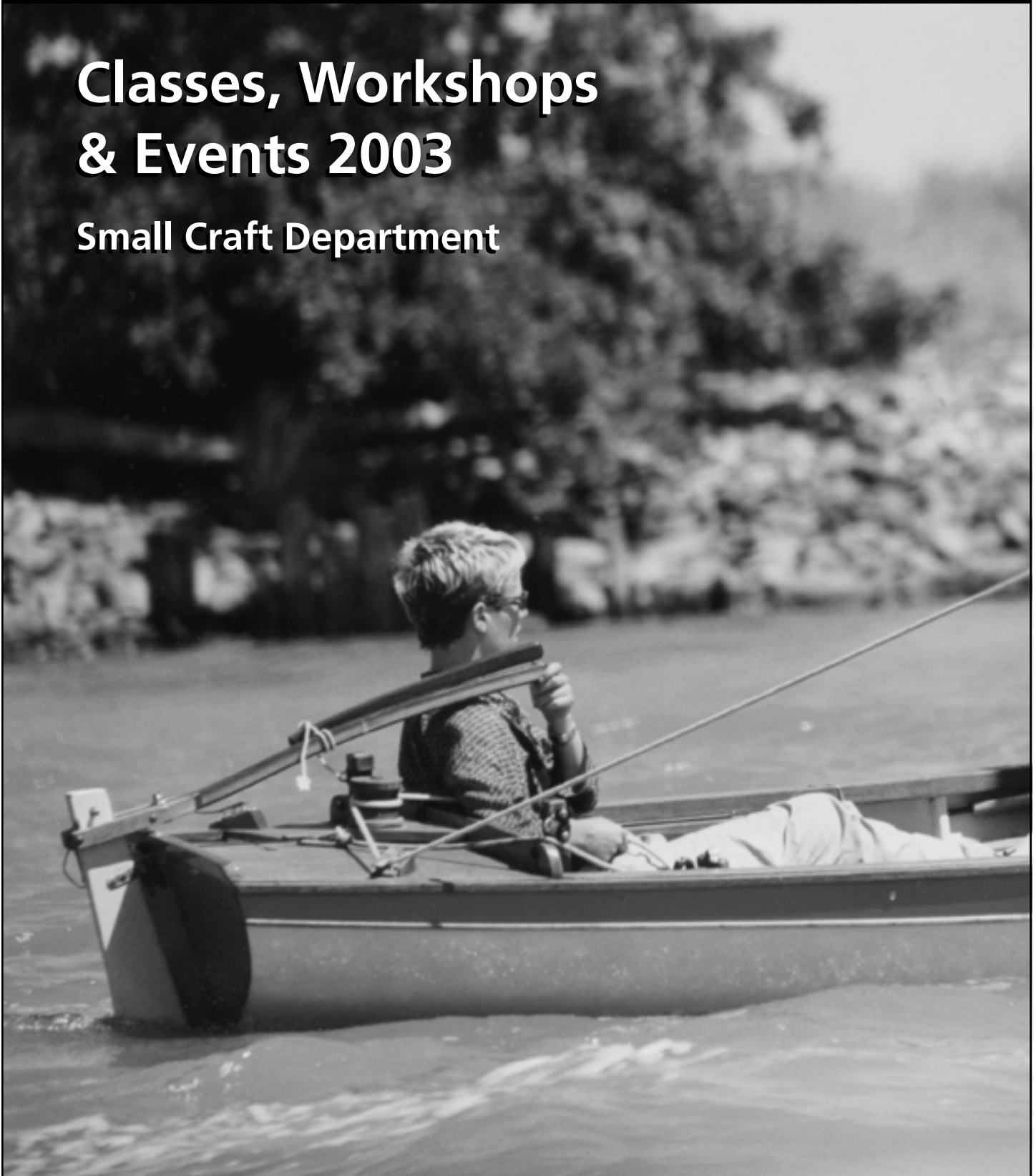
# San Francisco Maritime

National Historical Park  
National Park Service  
U.S. Department of the Interior



## Classes, Workshops & Events 2003

Small Craft Department



Experience Your America

*Photo by Christian Buhl*

# Classes, Workshops and Events - 2003

With the Small Craft Department at the San Francisco Maritime National Historical Park

## CLASS SPONSOR

The icon indicates class sponsorship:



**San Francisco  
Maritime NHP**



**WoodenBoat School**

## MODELING



### Half-Hull Modeling

*Date: 6 sessions*

*April 1, 3, 5, 8, 10 and 12*

*Time: Weekdays. 7-9pm; Sat. 9am-5pm*

*Fee: \$75 Members, \$85 Non-Members*

*Instructor: Todd Bloch*

Carve a half-hull scale model. Choose from naval architectural drawings in the San Francisco Maritime National Historical Park's collection or bring the plan of your choice. Bring the following handtools: in-canal gouge, spokeshave, block plane, awl.

## METAL



### Introduction to Bronze Casting

*Dates: Weekend of June 21-22*

*Fee: \$100 per person*

*Instructor: Samuel Johnson.*

Learn how to build your own melting furnace, make patterns for boat hardware and cast them in bronze. Construct a furnace suitable for melting most non-ferrous alloys as well as basic blacksmithing. Learn how to build all necessary foundry equipment. Patterns for cleats, oarlocks, port lights, and other boat hardware will be made and cast in bronze. The casting session will focus on split-patterns and cope & drag sand casting. Skill Level: No experience in working metals needed, moderate experience in woodworking helpful but not necessary.

## BOATBUILDING



### Oarmaking & Sparmaking

*Date: 2 Weekends, March 29-30,  
and April 5-6*

*Time: 9am-5pm*

*Fee: \$100 Members, \$120 Non-Members*

*Instructor: Ken Kotz*

A popular introduction to woodworking and a must for anyone who owns a sailboat or who likes to row! Learn to use a variety of different handtools while constructing your own set of oars or spar. Bring the following handtools: block plane, spokeshave, and an in-canal gauge or backing plane.



### Principles of Lofting

*Date: May 5-9*

*Fee: \$600*

*Instructor: Greg Rossel*

Without question, lofting is an essential skill for the boatbuilder. Once you've mastered it, you can at least start to build any boat for which there are plans. In this week you'll discuss the written material that Greg has developed and loft several small craft. By the end of the week, you should be able to visualize, lay down, and talk boat plans with the best of them. This course can dovetail nicely into the following one.



### Fundamentals of Boatbuilding

*SPRING SESSION*

*Date: May 12-16*

*Fee: \$600*

*Instructor: Greg Rossel*

This course deals generally with the whole craft of wooden boatbuilding and most specifically with plank on

frame construction. You'll find yourself working on your own and alongside others, on real boats and just for practice. If your class happens to finish a boat, you'll launch it, and that is some fun! You'll finish this class with a better understanding of the boatbuilding process. Beginners welcome!



### Wooden Boat Repair Methods

*Date: September 29-October 4*

*Fee: \$600*

*Instructor: Walt Ansel*

Figuring out what's wrong and how to fix it right. Working on three "patient" boats, students will first conduct a thorough survey and disassemble, then make backbone repairs such as steambend frames, fit and bevel sawn frames, fit floor timbers, scarf repairs into keels, repair or replace stems, transoms, and planks. In addition, Walt will demonstrate and share tips on tools and sharpening, woods, fastenings, caulking, bedding, priming & painting.



### Fine Woodstrip Kayak Construction

*Date: October 12-18*

*Fee: \$600*

*Instructor: Ted Moores*

Designer, writer, canoe builder, and restorer Ted Moores will introduce students to a strip planked sea kayak. By week's end each student should have a strong grasp of wood/epoxy strip construction and be ready to start their own project at home. And one student will be the lucky new owner of a beautiful Ted Moores designed sea kayak.

## BUILDING. cont'd



### An Introduction to Boatbuilding

*Date: October 20-25*

*Fee: \$600*

*Instructor: Bill Thomas*

Building the Karl Stambaugh Bay Skiff 15. She is built of marine plywood and epoxy using a modified glue-and-screw type construction. Bill takes you step-by-step through the building stages: stem, transom and frame construction; planking; breathhook & quarterknee installation; thwarts & interior trim; daggerboard and case construction; mast, boom and rudder assemblies, all will come together. Discussions will focus on small-craft design, setting up a one-man shop, proper hand and power tool usage and more. No prior boatbuilding experience required.

## ART



### Maritime Sketchbook 1 & 2

*Date: 2 Saturdays at Hyde Street Pier*

*Sep 13: Class 1-Sail Boats & Fishing Boats*

*Sep 27: Class 2 - From Small Craft to Ships*

*Time: 9am - 5pm*

*Fee Per Class: \$55 Members, \$65 Non*

*Instructor: Amy Hosa, illustrator, and staff designer, Maritime Museum*

Hyde Street Pier, the fishing harbor and Aquatic Park lagoon offer an array of vessels and views that could fill an entire sketchbook! Amy will train your eye to identify what makes each vessel type unique and it's rigging distinct. Tips on rendering the complex curves & angles in each boat, and demos on quick sketch & painting techniques. Both classes will sketch & paint out on the Pier and aboard the vessels (sheltered locations abound if it's windy). Take one or both classes, beginner to advanced welcome. Call Amy at (415) 561-7113 for more info.

## SAILING



*Pelican Racing in Aquatic Park Lagoon*



### Pelican Racing Series

*Date: 6 Wednesday nights, 6pm-8pm*

*April 30, May 7, 14, 21, 28*

*Fee: Free!*

Come down and try out your racing skill in a San Francisco Pelican. Open to staff, volunteers, Park Association members and Pelican Association members.



### Gunkholing!

*Date: June 8-13*

*Fee: \$160*

*Instructor: Pete Evans*

Explore the rivers, bays, and sloughs of the area with a fleet of traditional small craft. This year we begin from the Hyde Street Pier, San Francisco Maritime NHP. Bring your camping gear, a seaworthy vessel, and a taste for adventure. The Park's scow schooner, *Alma*, will follow as a base camp. Reservations necessary. Limited space available. Get on our mailing list.



### Small Craft Regatta

*Weekend: August 16-17*

*Fee: \$35*

*Instructors: Small Boat Shop Staff*

Special event for Maritime Park staff and volunteers and the Traditional Small Craft Association members. Join a flotilla of traditional row and sailboats on an overnight trip to China Camp. Bring your camping gear and sleep out under the stars. Saturday night cookout and a hearty Sunday morning breakfast provided. Reservations necessary.

## CALENDAR

### MARCH

#### Oarmaking & Sparmaking

2 Weekends: March 29-30 & April 5-6  
at 9am-5pm

### APRIL

#### Half Hull Modeling

Wed. April 1, 3, 8, 10 at 7-9pm;  
Sat, April 5, 12 at 9am-5pm

#### Pelican Racing Series

Every Wed. night: begins April 30 at 6-8pm

### MAY

#### Pelican Racing Series, cont'd

Every Wed. night: May 7, 14, 21, 28 at 6-8pm

#### Principles of Lofting

5 days: Mon-Fri, May 5-9

#### Fundamentals of Boatbuilding

5 days: Mon-Fri, May 12-16

### JUNE

#### Gunkholing

Sun-Fri: June 8-13

#### Introduction to Bronze Casting

Weekend: June 21-22 at 8am-5pm

### AUGUST

#### Small Craft Regatta to China Camp

Weekend: Aug 16-17

### SEPTEMBER

#### Sketchbook 1: Sail Boats & Fishing Boats

Sat: Sept 13 at 9am-5pm

#### Sketchbook 2: From Small Craft to Ships

Sat: Sept 27 at 9am-5pm

#### Wooden Boat Repair Methods

6 days: Mon-Sat, Sep 29-Oct 4

### OCTOBER

#### Fine Woodstrip Kayak Construction

7 days: Sun-Sat: Oct 12-18

#### Introduction to Boatbuilding

6 days: Mon-Sat, Oct 20-25

#### Overnight Lodging:

Lodging is available to students aboard our historic ships at Hyde Street Pier. Cost is \$35/night. Primitive camping at its best, but the experience is 4 star.

#### Workshop Facilities & Tools:

Most materials and power tools will be provided. Students may have to supply their own handtools. If required, a tool list will be sent after enrollment.

## REGISTRATION FORM: for San Francisco Maritime NHP sponsored classes - 2003

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone: Day \_\_\_\_\_ Evening \_\_\_\_\_

Workshop(s) \_\_\_\_\_

Cost \_\_\_\_\_

- ☐ Please send overnight lodging information  
☐ Please check if you are an Association member  
☐ Please check for Association membership information

Full payment is due with registration.

Registration fees are NON-REFUNDABLE.

Make checks payable to:

San Francisco Maritime National Park Association

I have read the above information and am enclosing \$ \_\_\_\_\_  
for the indicated workshop(s). I understand that my fee is  
non-refundable.

Signature \_\_\_\_\_ Date \_\_\_\_\_

### REGISTRATION INFORMATION



#### **San Francisco Maritime NHP Small Craft Department Classes, Workshops, and Events**

Members of the San Francisco Maritime National Park Association receive a discount on boat building classes. For more information about classes contact Bill Doll at (415) 561-7120, Small Craft Dept, or send registration form to:

##### **Boatshop Classes**

San Francisco Maritime National Park Association  
PO Box 470310, San Francisco, CA 94147-0310

[www.nps.gov](http://www.nps.gov) and [www.maritime.org](http://www.maritime.org)



#### **WoodenBoat School Classes**

For more information or to register for WoodenBoat Classes, contact Rich Hilsinger at (207)359-4651 or write:

##### **WoodenBoat School**

PO Box 78, Naskeag Road, Brooklin, ME 04616

[www.WoodenBoat.com](http://www.WoodenBoat.com)

**Classes are offered in Partnership with the  
National Park Service • San Francisco Maritime NHP  
San Francisco Maritime National Park Association  
WoodenBoat School**



**Partnership • Preservation • Education**

### About the Cover

*Rachael Kraai at the helm of the whitehall, Least Tern.*

*Photo by Christian Buhl.*



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